BRUHAT BANGALORE MAHANAGARA PALIKE

RA BILL – 1st & Part

PROJECT:PROPOSED CONSTRUCTION OF RAJARAJESHWARI SCHOOL (KALPANA ROAD) BUILDING IN WARD NO.17 J.P.PARK, BANGALORE

Construction Agency : M/s .M.R. Infra,
No. 123/30, 4th Floor,
1st Main Road, Rajajinagar Town
Bangalore- 560010

PMC: Ess Ess Builders and Consultants,
70/120, Maruthi nagara, Nagarbhavi Main Road,
Bangalore- 560072

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EMB NO-								
Name of the work	PROJECT:PROPOSED CONSTRUCTION OF RAJARAJESHWARI SCHOOL (KALPANA ROAD) BUILDING IN WARD NO.17 J.P.PARK, BANGALORE							
Name of the contractor/Agency:	M/S M R Infra, No.123/30, 4th Floor, 1st Main Road, Rajajinagar Industrial Town, Bangalore-10.							
Agreement No.	EE(P)/RRN/AG/28/21-22 Date:12.11.2021							
Contract Amount	Rs. 10,42,17,770.00							
% Tender premium & Escalation provisions	12.00%							
Date Start of the Work :								
Period of Contract:	334 Days							
Scheduled End Date of work:	15/11/2024							
RA BILL-01st AND PART								
Item No	Description			Units	Nos	Measurements in Mtrs			Quantity
						Length	Breadth	Depth	
1	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removalof stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness complete as per specifications. II. By Mechanical Means: A. In area of light jungle.								
	Existing Site Area			Ha	1.0	255.00	38.00		9690.00
						TOTAL QTY IN Ha			0.97
	TENDER QTY		1			QTY Paid On This Bill			0.97

Contractor

Assistant Engineer Projects ,RR, Nagar

AE/JE(P) R.R.N

13/11/24

Assistant Executive Engineer
R.R. Nagar Project Sub Division-1
Bruhat Bengaluru Mahanagara Pali

Asst. Executive Engineer, Projects

A.E.E (P)
R.R. Naga

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RA BILL-01st AND PART								
Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
2	Earth work for lowering & levelling the ground other than foundation works by Mechanical means upto 3.0 mt depth including providing shoring stutting and bracing , removal of stumps and other and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required and utilising /transporting the remaining earth upto 1.00km lead. including cost of labour, materials and HOM of machineries etc., complete.						
	For surface excavation Debrs removal (Average depth 1.0 MT)	CUM	1	95.08	38.000	1.480	5347.30
				TOTAL QTY IN CUM			5347.30
				QTY Paid On This Bill			2888.00
	TENDER QTY	2888.00	CUM	Qty RESERVED Want for Approval			2459.30

A.E.E (P)
R.R.Nag

Contractor

Assistant Engineer Projects RR, Nagar

AE/JE (P) R.R.N 18/11/24

Asst. Executive Engineer, Projects

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-0
ruhat Bengaluru Mahanagara Palik

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RA BILL-01st AND PART							
Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
3	Earth work excavation for foundation of structures upto 3 mtrs.by mechanical means as per drawing and technical specification, including setting out, providing shoring, strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required and utilising / transporting the remaining earth upto 1.00km lead. including cost of labour, materials and HOM etc., complete. - do - In all types of soils						
	For Footigs						
	Grid - A1, A3 TO S1,S3	CUM	1	51.75	12.96+15/2	0.900	651.12
	Grid - A9, A11 TO S9,S11	CUM	1	51.75	12.96+15/2	0.900	635.75
	Grid - A3, A9 TO F3,F11	CUM	1	8.10	15.93+19/2	0.900	127.32
	Grid - M3, M9 TO S3,S11	CUM	1	8.10	15.93+19/2	0.900	127.32
	Grid - T4,T8	CUM	2	3.00	3	0.900	16.20
		CUM	2	3.50	0.9	2.5	15.75
				TOTAL QTY IN CUM			1573.46
				QTY Paid On This Bill			1573.46
	TENDER QTY 2083.65	CUM		Qty RESERVED Want for Approval			0.00

Contractor

B.K. 24/11/21
Assistant Engineer Projects ,RR, Nagar
AE/JE(P) R.R.N

B.K.
Asst. Executive Engineer
Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
EIRL-1	RA BILL-01st AND PART Earth work excavation for foundation of structures upto 3 mtrs.by mechanical means as per drawing and technical specification, including setting out, providing shoring, strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required and utilising / transporting the remaining earth upto 1.00km lead. including cost of labour, materials and HOM etc., complete. - do - Marshy Soil KSRB- 2.23.4 Pg no -08						
	For Footigs						
	Grid - A1, A3 TO S1,S3	CUM	1	51.75	12.96+15/2	3.000	2170.40
	Grid - A9, A11 TO S9,S11	CUM	1	51.75	12.96+15/2	3.000	2119.16
	Grid - A3, A9 TO F3,F11	CUM	1	8.10	15.93+19/2	3.000	424.40
	Grid - M3, M9 TO S3,S11	CUM	1	8.10	15.93+19/2	3.000	424.40
	Grid - T4,T8	CUM	2	3.00	3	3.000	54.00
				TOTAL QTY IN CUM			5192.36
				Qty RESERVED Want for Approval			5192.36

Contractor

Assistant Engineer Projects ,RR, Nagar

AE/JE (P) R.R.N

22/11/24

Asst. Executive Engineer, Projects

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-C
Bruhat Bengaluru Mahanagara Palik

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RA BILL-01st AND PART							
Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
EIRL-2	Extra For additional lift OF 1.5m or part there of for excavation in soil / Rock including cost of materials, labour complete as per specifications KSRB-2.14-1', Pg No-08						
	For Footigs						
	Grid - A1, A3 TO S1,S3	CUM	1	51.75	12.96+15/2	0.900	651.12
	Grid - A9, A11 TO S9,S11	CUM	1	51.75	12.96+15/2	0.900	635.75
	Grid - A3, A9 TO F3,F11	CUM	1	8.10	15.93+19/2	0.900	127.32
	Grid - M3, M9 TO S3,S11	CUM	1	8.10	15.93+19/2	0.900	127.32
	Grid - T4,T8	CUM	2	3.00	3	0.900	16.20
				TOTAL QTY IN CUM			**1557.71**
				Qty RESERVED Want for Approval			**1557.71**

Contractor

Assistant Engineer Projects ,RR, Nagar

AE/JE (P) R.R.N

Asst. Executive Engineer

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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RA BILL-01st AND PART							
Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
4	Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.						
	For Footigs						
	Grid - A1, A3 TO S1,S3	CUM	1	51.75	12.96+15/2	0.450	325.56
	Grid - A9, A11 TO S9,S11	CUM	1	51.75	12.96+15/2	0.450	317.87
	Grid - A3, A9 TO F3,F11	CUM	1	8.10	15.93+19/2	0.450	63.66
	Grid - M3, M9 TO S3,S11	CUM	1	8.10	15.93+19/2	0.450	63.66
	Grid - T4,T8	CUM	2	3.00	3	0.450	47.16
		CUM	2	3.50	0.9	0.450	55.01
				TOTAL QTY IN CUM			872.92
				QTY Paid On This Bill			872.92 863.40
	TENDER QTY 863.4	CUM		**Qty RESERVED Want for Approval**			9.52

Contractor

B.K. 22/11/24

Assistant Engineer Projects ,RR, Nagar

AE/JE(P) R.R.N

B.K.

Asst. Executive Engineer, Projects

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01

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RA BILL-01st AND PART							
Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
5	KSRB 2.13 : Providing sand and cement piles with all leads and lift of 1.5 m. for stabilising foundation after duly making 5 cms. dia holes to a depth of 1.2 to 1.5 m. at 0.5 m c/c and filling with sand and 10% cement and tamping wherever required including cost of materials, labour complete as per specifications						
	For Footigs						
	Grid - A1, A3 TO S1,S3	CUM	1	51.75	12.96+15/2		723.47
	Grid - A9, A11 TO S9,S11	CUM	1	51.75	12.96+15/2		706.39
	Grid - A3, A9 TO F3,F11	CUM	1	8.10	15.93+19/2		141.47
	Grid - M3, M9 TO S3,S11	CUM	1	8.10	15.93+19/2		141.47
	Grid - T4,T8	CUM	2	3.00	3		18.00
		CUM	2	3.50	0.9		6.30
				TOTAL QTY IN CUM			1737.09
				QTY Paid On This Bill			1737.09
	TENDER QTY **1161.5**	CUM		**Qty RESERVED Want for Approval**			575.59

Contractor

Assistant Engineer Projects ,RR, Nagar

23/11/29

AE/JE (P) R.R.N

Asst. Executive Engineer, Projects

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-0
Bruhat Bengaluru Mahanagara Palike

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RA BILL-01st AND PART							
Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
6	KSRB 3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor,along the external perimeter of building,expansion joints,over the top surface of consolidated earth on which apron is to be laid,surrounding of pipes and conduits with chloropyriphos emulsifiable concentrates of 20% concentration,including cost of chemical,diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications.(Plinth area of the building at ground floor only shall be measured) Specification No.KBS: 3.2.6 / 3.2.7						
	F1=2.10x2.10x04 M						
	F1= Grid - T4 & T8	Sqm	2	2.55	2.550		13.01
	F2=3.2X3.0X0.6 M						
	F2-=Grid- A1, D1, F1, I1, K1, P1, R1, S1, F2,I2, K2, S2, A4, A8, I10, K10,M10, A11, I11, J11, K11, L11, M11.	Sqm	23	3.65	4.050		340.00
	F3=3.4X3.6X0.65 M,						
	F3= Grid- H2, J2, J10, L10.	Sqm	4	3.85	4.050		62.37
	F4=3.6X3.4X0.6 M,						
	F4=Grid- B1, H1, J1, N1, A2, B2, D2, R2, C4, A6, C6, C8, B10, O11, S11.	Sqm	16	4.05	3.850		249.48
	F5=3.9X3.7X0.65M						
	F5=Grid- N1, O10, G11, R11.	Sqm	4	4.35	4.150		72.21
	F5A=3.5X3.9X0.7 M,						
	F5A=Grid- L2.	Sqm	1	3.95	4.350		17.18
	F6=4.0X4.0X0.65 M,						
	F6=Grid- S4, S8.	Sqm	2	4.45	4.450		39.61
	F7=4.8X4.0X0.85 M						
	F7=Grid- Q4, Q8.	Sqm	2	5.25	4.450		46.73
	F8=4.0X3.5X0.7 M,						
	F8=Grid- G10.	Sqm	1	4.45	3.950		17.58
	F9=4.2X3.1X0.7 M,						
	F9=Grid- A10	Sqm	1	4.65	3.550		16.51
	CF1- Grid- D10 To E10, D11 To E11.	Sqm	2	6.45	3.850		49.67
	CF2- Grid- E3 To E5, N3 To N5, E7 To E9, N7 To N9.	Sqm	4	4.25	3.250		55.25
	CF3-Grid- H9 To L9.	Sqm	1	18.71	1.750		32.74
	CF4-Grid- H3 To L3.	Sqm	1	18.91	1.750		33.09
	CF5 lift- Grid- N1A To N'1A b/w N2 To N'2	Sqm	1	7.15	5.76		41.18
	CF6- Grid- R10 To S10	Sqm	1	8.35	4.050		33.82

A.E.E/C
R.R.No

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RA BILL-01st AND PART								
Item No	Description		Units	Nos	Measurements in Mtrs			Quantity
					Length	Breadth	Depth	
	Staircase footing		Sqm	2	8.60	1.500		25.80
	Plinth area		Sqm	2	46.60	9.600		894.72
			Sqm	1	11.50	10.230		117.65
			Sqm	1	11.15	10.230		114.06
					TOTAL QTY IN CUM			2272.64
					QTY Paid On This Bill			1126.50
	TENDER QTY	1126.5	Sqm		Qty RESERVED Want for Approval			1146.14

Contractor

Assistant Engineer Projects, RR, Nagar

AE/E(P) R.R.N 22/11/24

Asst. Executive Engineer

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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RA BILL-01st AND PART							
Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
7	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.						
	Sand and Boulders Filling						
	F1=2.10x2.10x04 M						
	F1= Grid - T4 & T8	Cum	2	2.55	2.550	0.300	3.90
	F2=3.2X3.0X0.6 M						
	F2-=Grid- A1, D1, F1, I1, K1, P1, R1, S1, F2,I2, K2, S2, A4, A8, I10, K10,M10, A11, I11, J11, K11, L11, M11.	Cum	23	3.65	4.050	0.300	102.00
	F3=3.4X3.6X0.65 M,						
	F3=Grid- H2, J2, J10, L10.	Cum	4	3.85	4.050	0.300	18.71
	F4=3.6X3.4X0.6 M,						
	F4=Grid- B1, H1, J1, N1, A2, B2, D2, R2, C4, A6, C6, C8, B10, O11, S11.	Cum	16	4.05	3.850	0.300	74.84
	F5=3.9X3.7X0.65M						
	F5=Grid- N1, O10, G11, R11.	Cum	4	4.35	4.150	0.300	21.66
	F5A=3.5X3.9X0.7 M,						
	F5A=Grid- L2.	Cum	1	3.95	4.350	0.300	5.15
	F6=4.0X4.0X0.65 M,						
	F6=Grid- S4, S8.	Cum	2	4.45	4.450	0.300	11.88
	F7=4.8X4.0X0.85 M						
	F7=Grid- Q4, Q8.	Cum	2	5.25	4.450	0.300	14.02
	F8=4.0X3.5X0.7 M,						
	F8=Grid- G10.	Cum	1	4.45	3.950	0.300	5.27
	F9=4.2X3.1X0.7 M,						
	F9=Grid- A10	Cum	1	4.65	3.550	0.300	4.95
	CF1- Grid- D10 To E10, D11 To E11.	Cum	2	6.45	3.850	0.300	14.90
	CF2- Grid- E3 To E5, N3 To N5, E7 To E9, N7 To N9.	Cum	4	4.25	3.250	0.300	16.58
	CF3-Grid- H9 To L9.	Cum	1	18.71	1.750	0.300	9.82
	CF4-Grid- H3 To L3.	Cum	1	18.91	1.750	0.300	9.93
	CF5 lift- Grid- N1A To N'1A b/w N2 To N'2	Cum	1	7.15	5.76	0.300	12.36

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RA BILL-01st AND PART

Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
	CF6- Grid- R10 To S10	Cum	1	8.35	4.050	0.300	10.15
	Staircase footing	Cum	2	8.60	1.500	0.300	7.74
7				TOTAL QTY IN Sqm			343.86
	TENDER QTY 232.3	Cum		QTY Paid On This Bill			232.30
				Qty RESERVED Want for Approval			111.56

Contractor

Assistant Engineer Projects ,RR, Nagar

AE/JE (P) R.R.N

Asst Executive Engineer

Assistant Executive Engineer
Engineer, Projects
R.R. Nagar Project Sub-Division-0
Bruhat Bengaluru Mahanagara Palik

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Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
8	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.						
	Sand Filling						
	F1=2.10x2.10x04 M						
	F1= Grid - T4 & T8	Cum	2	2.55	2.550	0.050	0.65
	F2=3.2X3.0X0.6 M						
	F2-=Grid- A1, D1, F1, I1, K1, P1, R1, S1, F2,I2, K2, S2, A4, A8, I10, K10,M10, A11, I11, J11, K11, L11, M11.	Cum	23	3.65	4.050	0.050	17.00
	F3=3.4X3.6X0.65 M,						
	F3=Grid- H2, J2, J10, L10.	Cum	4	3.85	4.050	0.050	3.12
	F4=3.6X3.4X0.6 M,						
	F4=Grid- B1, H1, J1, N1, A2, B2, D2, R2, C4, A6, C6, C8, B10, O11, S11.	Cum	16	4.05	3.850	0.050	12.47
	F5=3.9X3.7X0.65M						
	F5=Grid- N1, O10, G11, R11.	Cum	4	4.35	4.150	0.050	3.61
	F5A=3.5X3.9X0.7 M,						
	F5A=Grid- L2.	Cum	1	3.95	4.350	0.050	0.86
	F6=4.0X4.0X0.65 M,						
	F6=Grid- S4, S8.	Cum	2	4.45	4.450	0.050	1.98
	F7=4.8X4.0X0.85 M						
	F7=Grid- Q4, Q8.	Cum	2	5.25	4.450	0.050	2.34
	F8=4.0X3.5X0.7 M,						
	F8=Grid- G10.	Cum	1	4.45	3.950	0.050	0.88
	F9=4.2X3.1X0.7 M,						
	F9=Grid- A10	Cum	1	4.65	3.550	0.050	0.83
	CF1- Grid- D10 To E10, D11 To E11.	Cum	2	6.45	3.850	0.050	2.48
	CF2- Grid- E3 To E5, N3 To N5, E7 To E9, N7 To N9.	Cum	4	4.25	3.250	0.050	2.76
	CF3-Grid- H9 To L9.	Cum	1	18.71	1.750	0.050	1.64
	CF4-Grid- H3 To L3.	Cum	1	18.91	1.750	0.050	1.65
	CF5 lift- Grid- N1A To N'1A b/w N2 To N'2	Cum	1	7.15	5.76	0.050	2.06
	CF6- Grid- R10 To S10	Cum	1	8.35	4.050	0.050	1.69
	Staircase footing	Cum	2	8.60	1.500	0.050	1.29
				TOTAL QTY IN Sqm			57.31
				QTY Paid On This Bill			56.10
	TENDER QTY	56.1	Cum	Qty RESERVED Want for Approval			1.21

Contractor

Assistant Engineer Projects ,RR, Nagar

AE/JE (P) R.R.N

Asst. Executive Engineer, Projects

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-0
Bruhat Bengaluru Mahanagara Palik

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RA BILL-01st AND PART

Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
11	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm & down size graded grinite metel coarse aggregates @ 0.892 cum & fine aggregates @ 0.465 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in foundation & plinth, cost of all materials, labour, HOM of machinery, curing complete as per specification.						
	PCC FOR 1:3:6 at Footing						
	F1=2.10x2.10x04 M						
	F1= Grid - T4 & T8	Cum	2	2.55	2.550	0.125	1.63
	F2=3.2X3.0X0.6 M						
	F2-=Grid- A1, D1, F1, I1, K1, P1, R1, S1, F2,I2, K2, S2, A4, A8, I10, K10,M10, A11, I11, J11, K11, L11, M11.	Cum	23	3.65	4.050	0.125	42.50
	F3=3.4X3.6X0.65 M,						
	F3=Grid- H2, J2, J10, L10.	Cum	4	3.85	4.050	0.125	7.80
	F4=3.6X3.4X0.6 M,						
	F4=Grid- B1, H1, J1, N1, A2, B2, D2, R2, C4, A6, C6, C8, B10, O11, S11.	Cum	16	4.05	3.850	0.125	31.19
	F5=3.9X3.7X0.65M						
	F5=Grid- N1, O10, G11, R11.	Cum	4	4.35	4.150	0.125	9.03
	F5A=3.5X3.9X0.7 M,						
	F5A=Grid- L2.	Cum	1	3.95	4.350	0.125	2.15
	F6=4.0X4.0X0.65 M,						
	F6=Grid- S4, S8.	Cum	2	4.45	4.450	0.125	4.95
	F7=4.8X4.0X0.85 M						
	F7=Grid- Q4, Q8.	Cum	2	5.25	4.450	0.125	5.84
	F8=4.0X3.5X0.7 M,						
	F8=Grid- G10.	Cum	1	4.45	3.950	0.125	2.20
	F9=4.2X3.1X0.7 M,						
	F9=Grid- A10	Cum	1	4.65	3.550	0.125	2.06
	CF1- Grid- D10 To E10, D11 To E11.	Cum	2	6.45	3.850	0.125	6.21
	CF2- Grid- E3 To E5, N3 To N5, E7 To E9, N7 To N9.	Cum	4	4.25	3.250	0.125	6.91
	CF3-Grid- H9 To L9.	Cum	1	18.71	1.750	0.125	4.09
	CF4-Grid- H3 To L3.	Cum	1	18.91	1.750	0.125	4.14
	CF5 lift- Grid- N1A To N'1A b/w N2 To N'2	Cum	1	7.15	5.76	0.125	5.15
	CF6- Grid- R10 To S10	Cum	1	8.35	4.050	0.125	4.23
	Staircase footing	Cum	2	8.60	1.500	0.125	3.23
	TENDER QTY 252.65	CUM	PCC For Footing TOTAL QTY IN Cum				143.28

Contractor

Assistant Engineer Projects ,RR, Nagar

AE/JE (P) R.R.N

Asst.Executive Engineer Projects

Assistant Executive Engineer
R.R. Nagar Projects Sub Division-01
Bruhat Bengaluru Mahanagara Palike

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RA BILL-01st AND PART							
Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
9	Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications.specification						
	Excavated Footing Back Filling with Murram Soil Average Depth						
	For Footigs						
	Grid - A1, A3 TO S1,S3	CUM	1	51.75	12.96+15/2	4.800	3472.63
	Grid - A9, A11 TO S9,S11	CUM	1	51.75	12.96+15/2	4.800	3390.66
	Grid - A3, A9 TO F3,F11	CUM	1	8.10	15.93+19/2	4.800	679.04
	Grid - M3, M9 TO S3,S11	CUM	1	8.10	15.93+19/2	4.800	679.04
	Grid - T4,T8	CUM	2	3.00	3	4.800	86.40
		CUM	2	3.50	0.9	3.5	22.05
				TOTAL QTY IN Cum			**8329.82**
				QTY Paid On This Bill			**1021.00**
	TENDER QTY **1021**	CUM		**Qty RESERVED Want for Approval**			**7308.82**

Contractor

Assistant Engineer Projects ,RR, Nagar

AE/JE (P) R.R.N

Asst. Executive Engineer, Projects

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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RA BILL -01st AND PART

Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
10	KSRRB M100.2 Loading and Unloading of Stone Boulders/Stone Aggregates/sand/Kanker/moorum by Manual Means complete as per specifications MORTH - 100/ Chapter 1 & cost of Haulage excluding loading & unloading - 15 km						
	For surface excavation Debrs removal (Average depth1.0 MT)	CUM	1	76.00	38.000	1.000	2888.00
	For Footigs						
	For surface excavation Debrs removal (Average depth1.0 MT)	CUM	1	95.08	38.000	1.480	5347.30
	For Footigs						
	Grid - A1, A3 TO S1,S3	CUM	1	51.75	12.96+15/2	3.900	2821.51
	Grid - A9, A11 TO S9,S11	CUM	1	51.75	12.96+15/2	3.900	2754.91
	Grid - A3, A9 TO F3,F11	CUM	1	8.10	15.93+19/2	3.900	551.72
	Grid - M3, M9 TO S3,S11	CUM	1	8.10	15.93+19/2	3.900	551.72
	Grid - T4,T8	CUM	2	3.00	3	3.9	70.20
		CUM	2	3.50	0.9	2.5	15.75
				TOTAL QTY IN Sqm			**15001.11**
				QTY Paid On This Bill			**2888.00**
	TENDER QTY **2888**	CUM		**Qty RESERVED Want for Approval**			**12113.11**

Contractor

Assistant Engineer Projects ,RR, Nagar

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Assistant Executive Engineer Projects

Assistant Executive Engin
R.R. Nagar Project Sub-Divis
Bruhat Bengaluru Mahanagara

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RA BILL 01st AND PART

Item No	Description	Units	Nos	Measurements in Mtrs Length	Breadth	Depth	Quantity
5.3	KSRR 5.2.2. Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 15 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications.Ground floor.						
	Court Yard	CUM	2	25.28	0.6	0.45	13.65
		CUM	2	25.28	0.45	0.6	13.65
		CUM	2	10.63	0.6	0.45	5.74
		CUM	2	10.63	0.6	0.45	5.74
	Court Yard Plinth Beam Side	CUM	1	75.00	0.45	0.45	15.19
	Below Plinth Beam SSM Stubs Grid-B/w Q4 & Q8, S4 & T4, S8 & T8 & Below PB42	CUM	4	0.60	0.6	0.6	0.86
				TOTAL QTY IN Cum			**54.83**
				QTY Paid On This Bill			**54.83**
	TENDER QTY 58.4	CUM		**Qty RESERVED Want for Approval**			**0.00**

Contractor

Assistant Engineer Projects ,RR, Nagar

AE/JE (P) R.R.N

Assistant Executive Engineer
R.R. Nagar Project Sub Division-0
Bruhat Bengaluru Mahanagara Palik

Asst.Executive Engineer, Projects

Scanned by TapScanner

RA BILL-01st AND PART

Item No	Description		Units	Nos	Measurements in Mtrs			Quantity
					Length	Breadth	Depth	
11	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs. with 40mm & down size graded grinite metel coarse aggregates @ 0.892 cum & fine aggregates @ 0.465 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in foundation & plinth, cost of all materials, labour, HOM of machinery, curing complete as per specification.							
	PCC FOR 1:3:6 at Floor Level							
	Plinth area Under FFL		Cum	2	46.60	9.600	0.125	111.84
			Cum	1	11.50	10.230	0.125	14.71
			Cum	1	11.15	10.230	0.125	14.26
	TENDER QTY	**252.65**	CUM		**TOTAL QTY IN Cum**			**140.80**

Contractor

Assistant Engineer Projects ,RR, Nagar

Asst. Executive Engineer, Projects

Assistant Executive Engineer
P.R. Nagar Project Sub-Division-0
Bruhat Bengaluru Mahanagara Palike

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RA BILL-01st AND PART							
Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
11	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm & down size graded grinite metel coarse aggregates @ 0.892 cum & fine aggregates @ 0.465 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in foundation & plinth, cost of all materials, labour, HOM of machinery, curing complete as per specification.						
	PCC FOR 1:3:6 at Plinth Beam						
	Plinth Beam Bottam						
	PB1 (230X450) @ Grid at B1	CUM	1	3.63	0.450	0.125	0.20
	PB1 (230X450)@ Grid at F1	CUM	1	3.50	0.450	0.125	0.20
	PB1 (230X450)@ Grid at I1	CUM	1	3.50	0.450	0.125	0.20
	PB1 (230X450)@ Grid at K1	CUM	1	3.39	0.450	0.125	0.19
	PB1 (230X450)@ Grid at B11 & R11	CUM	2	4.13	0.450	0.125	0.46
	PB2(230X1200)= Grid- A1 To S1	CUM	1	47.88	0.450	0.125	2.69
	PB3(230X450)= GRID B/W PB33 & PB3	CUM	2	1.39	0.450	0.125	0.16
	PB4(230X450)= GRID B/W PB34 & PB36	CUM	1	2.85	0.450	0.125	0.16
	PB5(230X450)= GRID N1A TO N'1A	CUM	1	2.05	0.450	0.125	0.12
	PB5A(230X450)= B/W PB31 & PB32, F10 & G10	CUM	2	4.30	0.450	0.125	0.48
	PB6(230X450)= GRID A1A B/W A2	CUM	1	2.50	0.450	0.125	0.14
	PB6A(230X450) RACK WALL	CUM	18	0.37	0.450	0.125	0.37
	PB7(230X450)= G-A2 To S2	CUM	1	47.88	0.450	0.125	2.69
	PB8(230X450)= G-E3 To N3, E9 To N9	CUM	2	25.28	0.450	0.125	2.84
	PB9(230X600)= Q4 To T4 & Q8 To T8	CUM	2	7.01	0.450	0.125	0.79
	PB10(230X450)= A4 To C4, A8 To C8	CUM	2	6.86	0.450	0.125	0.77
	PB11(230X450)= A6 To C4	CUM	1	6.86	0.450	0.125	0.39
	PB12(230X450)= A10 TO S10	CUM	1	47.88	0.450	0.125	2.69
	PB13(230X450)= GRID B/W PB39 & PB41	CUM	1	2.77	0.450	0.125	0.16
	PB14(230X450)= GRID B/W PB41 & PB43	CUM	2	1.14	0.450	0.125	0.13
	PB15(230X450)= GRID B/W PB37 & PB41	CUM	1	6.73	0.450	0.125	0.38
	PB16(230X450)= GRID B/W PB39 & PB41	CUM	1	2.77	0.450	0.125	0.16
	PB17(230X1200)= A11 TO S11	CUM	1	47.88	0.450	0.125	2.69
	PB18A(230X450) GRID @ A2	CUM	1	1.50	0.450	0.125	0.08
	PB18(230X450) GRID @ A4	CUM	1	3.50	0.450	0.125	0.20
	PB18(230X450) GRID @ A8	CUM	1	3.13	0.450	0.125	0.18

Scanned by TapScanner

RA BILL-01st AND PART							
Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
	PB18A(230X450) GRID @ A10	CUM	1	1.50	0.450	0.125	0.08
	PB19(230X1200)= A1 TO A9	CUM	1	29.69	0.450	0.125	1.67
	PB20(230X450)= A1 B/W B1 TO A2 B/W B2	CUM	1	6.40	0.450	0.125	0.36
	PB21(230X450)= B1 TO B2, F1 TO F21	CUM	2	6.40	0.450	0.125	0.72
	PB22(230X450)= GRID B10 TO B11	CUM	2	6.40	0.450	0.125	0.72
	PB23(230X450)= C2 TO C10	CUM	1	15.23	0.450	0.125	0.86
	PB24(230X450)= D1 TO D2, H1 TO H2, J1 TO J2	CUM	3	6.40	0.450	0.125	1.08
	PB25(230X450)= GRID D10 TO D11	CUM	1	6.40	0.450	0.125	0.36
	PB26(230X450)= GRID E10 TO E11 & G10 TO G11	CUM	2	6.40	0.450	0.125	0.72
	PB27(230X450)= I1 TO I3, K1 TO K3	CUM	2	6.40	0.450	0.125	0.72
	PB28(230X450)= GRID I10 TO I11 & K10 TO K11	CUM	2	6.40	0.450	0.125	0.72
	PB29(230X450)= GRID J10 TO J11 & L10 TO L11	CUM	2	6.40	0.450	0.125	0.72
	PB30(230X450)= E3 TO E9, N3 TO N9	CUM	2	10.77	0.450	0.125	1.21
	PB31(230X450)= L1 TO L2	CUM	1	6.40	0.450	0.125	0.36
	PB32(230X450)= N1 TO N2	CUM	1	6.40	0.450	0.125	0.36
	PB33(230X450)= N'1 TO W'2	CUM	1	6.40	0.450	0.125	0.36
	PB34(230X450)= P1 TO P2	CUM	1	6.40	0.450	0.125	0.36
	PB35(150X450)= GRID B/W PB2 & PB4	CUM	1	2.12	0.450	0.125	0.12
	PB36(230X450) = R1 TO R4	CUM	1	6.40	0.450	0.125	0.36
	PB37(230X450)=O10 TO O11	CUM	1	6.40	0.450	0.125	0.36
	PB38(230X450)= Q4 TO PB15	CUM	1	14.57	0.450	0.125	0.82
	PB39(230X450)= R10 TO R11	CUM	1	6.40	0.450	0.125	0.36
	PB40(150X450)= GRID B/W PB16 & PB13	CUM	1	3.11	0.450	0.125	0.18
	PB41(230X450)= GRID B/W PB12 & PB17	CUM	1	6.40	0.450	0.125	0.36
	PB42(230X450)= GRID R4 B/W S4 TO R8 B/W S8	CUM	1	7.49	0.450	0.125	0.42
	PB43(230X1200)= S8 TO S11	CUM	1	10.24	0.450	0.125	0.58
	PB44(230X450)= S4 TO S8	CUM	1	7.49	0.450	0.125	0.42
	PB45(230X1200)= S4 TO S9	CUM	1	10.23	0.450	0.125	0.58
	PB46(230X600)= T4 TO T8	CUM	1	7.49	0.450	0.125	0.42
				TOTAL QTY IN Cum			35.87

Scanned by TapScanner

Item No	Description	Measurements in Mtrs			Quantity
		Length	Breadth	Depth	
	Carried Over To Revised At Page No 13				
	Carried Over To Revised At Page No 23				
	TENDER QTY			Total QTY IN Unit	
				QTY Paid On This Bill	
				Qty REMAINED Hand for Approval	

Executive Engineer

AE/JE/PWD/R.R.N

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Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
	RA BILL-01st AND PART			Length	Breadth	Depth	
19	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges). Graded Beam						
	Plinth Beam						
	PB1 (230X450) @ Grid at B1	CUM	1	3.63	0.230	0.350	0.29
	PB1 (230X450)@ Grid at F1	CUM	1	3.50	0.230	0.350	0.28
	PB1 (230X450)@ Grid at I1	CUM	1	3.50	0.230	0.350	0.28
	PB1 (230X450)@ Grid at K1	CUM	1	3.39	0.230	0.350	0.27
	PB1 (230X450)@ Grid at B11 & R11	CUM	2	4.13	0.230	0.350	0.66
	PB2(230X1200)= Grid- A1 To S1	CUM	1	47.88	0.230	1.100	12.11
	PB3(230X450)= GRID B/W PB33 & PB3	CUM	2	1.39	0.230	0.350	0.22
	PB4(230X450)= GRID B/W PB34 & PB36	CUM	1	2.85	0.230	0.350	0.23
	PB5(230X450)= GRID N1A TO N'1A	CUM	1	2.05	0.230	0.350	0.17
	PB5A(230X450)= B/W PB31 & PB32, F10 & G10	CUM	3	4.30	0.230	0.350	1.04
	PB6(230X450)= GRID A1A B/W A2	CUM	1	2.50	0.230	0.350	0.20
	PB6A(230X450) RACK WALL	CUM	18	0.37	0.230	0.350	0.54
	PB7(230X450)= G-A2 To S2	CUM	1	47.88	0.230	0.350	3.85
	PB8(230X450)= G-E3 To N3, E9 To N9	CUM	2	25.28	0.230	0.350	4.07
	PB9(230X600)= Q4 To T4 & Q8 To T8	CUM	2	7.01	0.230	0.500	1.61
			2	6.18	0.230	0.500	1.42
	PB10(230X450)= A4 To C4, A8 To C8	CUM	2	6.86	0.230	0.350	1.10
	PB11(230X450)= A6 To C4	CUM	1	6.86	0.230	0.350	0.55
	PB12(230X450)= A10 TO S10	CUM	1	47.88	0.230	0.350	3.85
	PB13(230X450)= GRID B/W PB39 & PB41	CUM	1	2.77	0.230	0.350	0.22
	PB14(230X450)= GRID B/W PB41 & PB43	CUM	2	1.14	0.230	0.350	0.18
	PB15(230X450)= GRID B/W PB37 & PB41	CUM	1	6.73	0.230	0.350	0.54
	PB16(230X450)= GRID B/W PB39 & PB41	CUM	1	2.77	0.230	0.350	0.22
	PB17(230X1200)= A11 TO S11	CUM	1	47.88	0.230	1.100	12.11
	PB18A(230X450) GRID @ A2	CUM	1	1.50	0.230	0.350	0.12
	PB18(230X450) GRID @ A4	CUM	1	3.50	0.230	0.350	0.28

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Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
	PB18(230X450) GRID @ A8	CUM	1	3.13	0.230	0.350	0.25
	PB18A(230X450) GRID @ A10	CUM	1	1.50	0.230	0.350	0.12
	PB19(230X1200)= A1 TO A9	CUM	1	29.69	0.230	1.100	7.51
	PB20(230X450)= A1 B/W B1 TO A2 B/W B2	CUM	1	6.40	0.230	0.350	0.52
	PB21(230X450)= B1 TO B2, F1 TO F21	CUM	2	6.40	0.230	0.350	1.03
	PB22(230X450)= GRID B10 TO B11	CUM	2	6.40	0.230	0.350	1.03
	PB23(230X450)= C2 TO C10	CUM	1	15.23	0.230	0.350	1.23
	PB24(230X450)= D1 TO D2, H1 TO H2, J1 TO J2	CUM	3	6.40	0.230	0.350	1.55
	PB25(230X450)= GRID D10 TO D11	CUM	1	6.40	0.230	0.350	0.52
	PB26(230X450)= GRID E10 TO E11 & G10 TO G11	CUM	2	6.40	0.230	0.350	1.03
	PB27(230X450)= I1 TO I3, K1 TO K3	CUM	2	6.40	0.230	0.350	1.03
	PB28(230X450)= GRID I10 TO I11 & K10 TO K11	CUM	2	6.40	0.230	0.350	1.03
	PB29(230X450)= GRID J10 TO J11 & L10 TO L11	CUM	2	6.40	0.230	0.350	1.03
	PB30(230X450)= E3 TO E9, N3 TO N9	CUM	2	10.77	0.230	0.350	1.73
	PB31(230X450)= L1 TO L2	CUM	1	6.40	0.230	0.350	0.52
	PB32(230X450)= N1 TO N2	CUM	1	6.40	0.230	0.350	0.52
	PB33(230X450)= N'1 TO W'2	CUM	1	6.40	0.230	0.350	0.52
	PB34(230X450)= P1 TO P2	CUM	1	6.40	0.230	0.350	0.52
	PB35(150X450)= GRID B/W PB2 & PB4	CUM	1	2.12	0.230	0.350	0.17
	PB36(230X450) = R1 TO R4	CUM	1	6.40	0.230	0.350	0.52
	PB37(230X450)=O10 TO O11	CUM	1	6.40	0.230	0.350	0.52
	PB38(230X450)= Q4 TO PB15	CUM	1	14.57	0.230	0.350	1.17
	PB39(230X450)= R10 TO R11	CUM	1	6.40	0.230	0.350	0.52
	PB40(150X450)= GRID B/W PB16 & PB13	CUM	1	3.11	0.230	0.350	0.25
	PB41(230X450)= GRID B/W PB12 & PB17	CUM	1	6.40	0.230	0.350	0.52
	PB42(230X450)= GRID R4 B/W S4 TO R8 B/W S8	CUM	1	7.49	0.230	0.350	0.60
	PB43(230X1200)= S8 TO S11	CUM	1	10.24	0.230	1.100	2.59
	PB44(230X450)= S4 TO S8	CUM	1	7.49	0.230	0.350	0.60
	PB45(230X1200)= S4 TO S9	CUM	1	10.23	0.230	1.100	2.59
	PB46(230X600)= T4 TO T8	CUM	1	7.49	0.230	0.500	0.86

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RA BILL-01st AND PART

Item No	Description	Units	Nos	Measurements in Mtrs			Quantity
				Length	Breadth	Depth	
	Plinth Beam Total Qty in Cum						79.015

Contractor

Assistant Engineer Projects ,RR Nagar

AE/JE

Asst. Executive

Assistant Engineer

R.R. Nagar Project Sub Division-2

Bruhat Ben

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